| Inde | x of | Clai | ms |
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| <b>Applicati</b> | on/Con | trol No. |
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09/613,616

Examiner

Afsar M. Qureshi

Applicant(s)/Patent under Reexamination

BARANOWSKI, ROBERT

Art Unit

2616

| <b>√</b> | Rejected |
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| =        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Claim    |          | Date     |          |  |           |        |          |              |                |  | ]            | Cla      | aim         | Date     |              |  |          |          |          |          |          |          |          | Г        |          |
|----------|----------|----------|----------|--|-----------|--------|----------|--------------|----------------|--|--------------|----------|-------------|----------|--------------|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Final    | Original | 11/7/06  |          |  |           |        |          |              |                |  |              |          | Final       | Original |              |  |          |          |          |          |          |          |          |          |          |
|          | 1        | 7        | t        | +  | 1         |        | ┢        | t            | +              | ╁  | ╅            | 1        |             | 51       | $\vdash$     | ┼┈   | $\vdash$ | ╁        | ╁╌       | +-       | +        | +        | +        | $\dashv$ | -        |
|          | 2        | 1        | ╈        | $\top$   | 7         |        |          | 1            | 十              | $\top$   | +-           | 1        |             | 52       | +            | $\vdash$   | $\vdash$ | ╁╌       | +        | ╁        | ┿        | +        | +        | -        | $\vdash$ |
|          | 3        | T        | 十        | +  | +         |        | <u> </u> | +            | +              | +  | +-           | 7        |             | 53       | ╁            | $\vdash$   | ╁╌       | +-       | +        | ╁        | +        | +        | ╁        | 4        | $\vdash$ |
|          | 4        | r        | $\vdash$ | +-   | 7         |        | _        | $^{\dagger}$ | 1-             | ┿  | ╅            | -        |             | 54       | $\vdash$     |  | ╁        | ╁        | +        | +-       | +        | ╫        | ╁        | $\dashv$ | $\vdash$ |
|          | 5        | ┢        | $\top$   | +  | 1         | _      |          | T            | +              | ╁  | +            | 1        |             | 55       | $\vdash$     |  | <u> </u> | ┼┈       | ┢        | +        | +        | +        | ╁        | ┨        | H        |
|          | 6        | Г        | 1        | 十  | $\dagger$ | _      |          | T            | ╁              | +  | +            | ┪        | <del></del> | 56       | <del> </del> |  | ┢┈       | +-       | ╁        | ╁╌       | ╁        | ╁        | +-       | ┨        | $\vdash$ |
|          | 7        | Γ        | 1        | T  | 1         |        |          | $\vdash$     | T              | +  | $\top$       | 1        |             | 57       | ├-           |  | ┢        | ┼-       | $\vdash$ | ╁        | +-       | +        | †-       | 1        | $\vdash$ |
|          | 8        | Γ        | T        | T  | 7         |        |          |              | 1              | 1  | $\top$       | 1        |             | 58       | T            | <del>                                     </del> | t        | $\vdash$ | ╁┈       | t        | +        | 十        | +        | ┪        | $\vdash$ |
|          | 9        | Г        | T        | 1  | T         |        |          | T            | $\top$         | 1  | ╅            | 1        |             | 59       |              | t  | t        | $\vdash$ | $\vdash$ | t        | ┼~       | +        | +        | 7        | H        |
|          | 10       |          | Т        | $\top$   | T         |        |          |              | T              | 1  | T            | 7        |             | 60       | _            | t  | 1        | 1        | t        | $\vdash$ | +        | ┼        | T        | 1        | H        |
|          | 11       | Г        | Т        | Τ  | T         |        |          |              | 1 -            | T  | T            | 1        |             | 61       | t            | T  | T        |          | $\vdash$ | T        | +-       | $\vdash$ | t        | 1        | $\vdash$ |
|          | 12       |          | П        |  | Т         |        |          |              | $\top$         |  |              | 1        |             | 62       |              | $\vdash$   |          |          | ✝        | T        | †        | t        | 十        | 1        | $\vdash$ |
|          | 13       |          |          | Γ  | I         |        |          |              |                |  | T            | 1        |             | 63       |              |  | Г        | $\vdash$ | T        | T        | †        | T        | T        | 1        | F        |
|          | 14       | L        |          |  | J         |        |          |              |                |  |              | 1        |             | 64       |              | Γ  | Г        |          |          | 1        | $\top$   | T        | T        | 1        |          |
|          | 15       | L        |          | $oxed{\Box}$                                     | I         |        |          |              | Γ              | L  | Γ            | ]        |             | 65       | Г            | Γ  |          | Г        | t        |          | 1        | Т        | T        | 1        |          |
| [        | 16       |          | L        | L  | $\prod$   |        |          |              |                | Ľ  |              | ]        |             | 66       |              |  |          |          | Τ        | 1        |          | T        | T        | 1        | $\vdash$ |
|          | 17       | 1        |          |  | $\perp$   |        |          | <u>L</u>     |                |  |              | ]        |             | 67       |              |  |          |          | П        | Ī        |          |          |          | 1        | Г        |
|          | 18       | 1        | L        | $\perp$  | ┸         |        | _        |              |                |  |              | ]        |             | 68       |              |  |          |          | Τ        |          | T        |          | Г        | 1        | $\vdash$ |
|          | 19       | Ц        | <u> </u> |  | $\perp$   |        |          |              |                |  |              | ] [      |             | 69       |              |  |          |          |          |          |          |          | İ        | 1        |          |
|          | 20       | $\perp$  | L        | _  | 1         | _      |          |              |                |  |              |          |             | 70       |              |  |          |          |          |          | Г        | Ī        |          | 1        | 厂        |
|          | 21       |          | L        | _  | ⊥         | _      |          |              | <u>L</u> ,     |  | L            | ] [      |             | 71       |              |  |          |          |          |          |          |          |          | 1        | Г        |
|          | 22       | 1        | <u> </u> | _  | $\perp$   |        |          | <u> </u>     | _              |  |              |          |             | 72       |              |  |          |          |          |          |          | Г        |          | 1        |          |
|          | 23       |          |          | 1_   | ┸         |        |          |              | ١.             | <u> </u>   | $oxed{oxed}$ | ] [      |             | 73       |              |  |          |          |          |          |          |          |          |          | Г        |
|          | 24       | =        | <u> </u> | ↓_   | 1         |        |          |              | _              | _  | <u> </u>     | 1 1      |             | 74       |              |  |          |          |          |          |          |          |          | ]        |          |
|          | 25       | _        | <u> </u> | ┺  | 1         | 4      |          |              | _              |  | ļ.,          | ]        |             | 75       | <u></u> _    |  |          |          |          |          |          |          |          |          |          |
|          | 26       | =        | _        | <u> </u>   | 4         | _      | _        |              | ļ              | ╙  | <u>L</u>     | ] ]      |             | 76       |              |  |          |          |          |          | Ĺ        |          |          | ]        |          |
|          | 27       | =        | <u> </u> | ╀  | 4         | 4      |          |              | ╙              | ـــ  | <u> </u>     | 1        |             | 77       |              |  |          |          |          |          |          | _        | L        |          |          |
|          | 28       | =        | _        |  | ╀         | 4      |          | Ь.           | <u> </u>       | ┞  | ├-           |          |             | 78       |              |  |          |          |          |          |          |          | L        | ]        | L        |
| -+       | 29       | =        | <u> </u> | ╀  | +         | +      |          |              | ļ              | <u> </u>   | <u> </u>     |          |             | 79       |              | _  | _        |          |          |          |          |          | 匚        |          | L        |
| $\dashv$ | 30<br>31 | =        |          | ⊢  | ╀         | _      | _        |              | ├              | _  | _            |          |             | 80       | _            | _  | _        |          |          | _        | _        |          |          |          |          |
|          | 32       | =        | -        | -  | ╀         | +      | -        |              | ⊢              | ⊢  | -            | ┦╶├      |             | 81       | _            |  |          |          |          | _        |          | L.       |          | Į        | L        |
|          | 33       | =        | -        | ⊬  | +         | +      | $\dashv$ |              | ├              | $\vdash$   | ├-           |          |             | 82       |              |  | _        |          |          | <u> </u> | _        |          | L        |          | <u>_</u> |
|          | 34       | =        | -        | <del> </del>                                     | +         | +      | -        | _            | -              | $\vdash$   | -            | -        |             | 83       |              | _  | _        |          |          |          | $\vdash$ |          | <u> </u> |          | -        |
| $\dashv$ | 35       | =        | <u> </u> | -  | ╁         | +      | $\dashv$ |              | $\vdash$       |  | -            | }        |             | 84<br>85 | $\dashv$     |  | _        | _        | _        |          | <u> </u> |          | _        |          | L        |
| -+       | 36       | _        | <u> </u> | -  | +         | +      | $\dashv$ |              | $\vdash$       | -  | <del> </del> | -        |             | 86       |              |  | -        | -        | _        |          | $\vdash$ |          |          |          | $\vdash$ |
| $\dashv$ | 37       | _        | -        | -  | ╁         | +      | -        |              | $\vdash$       | ├-   | $\vdash$     |          |             | 87       | $\dashv$     | -  | -        | -        | _        |          | Щ        |          |          |          | L        |
| -+       | 38       | =        | -        | -  | +         | +      | $\dashv$ |              | <del>  -</del> | $\vdash$   | <u> </u>     |          |             | 88       | -            |  | $\dashv$ | $\dashv$ | -        | _        | $\vdash$ | -        | _        |          | -        |
| $\dashv$ | 39       | =        |          | $\vdash$   | +         | +      | $\dashv$ |              | $\vdash$       | $\vdash$   | -            |          |             | 89       | -            | $\dashv$   | 4        |          | _        | _        | $\vdash$ |          |          |          | -        |
| $\dashv$ | 40       | =        |          | $\vdash$   | t         | +      | -        | _            | -              | <del>                                     </del> | -            |          |             | 90       | $\dashv$     | $\dashv$   | $\dashv$ |          |          |          | $\vdash$ |          |          |          | $\vdash$ |
| $\dashv$ |          | =        | -        |  | t         | +      | $\dashv$ |              | H              | $\vdash$   |              |          | -+          | 91       | -+           |  | $\dashv$ |          | -        | $\dashv$ | $\vdash$ |          | _        |          | $\vdash$ |
| +        | 42       | _        |          | $\vdash$   | t         | +      | $\dashv$ |              |                |  | $\vdash$     |          |             | 92       | $\dashv$     | +  | $\dashv$ |          | -        | $\dashv$ |          |          |          |          | <u> </u> |
| $\dashv$ | 43       | _        |          | -  | $^{+}$    | +      | +        |              |                | Η-   | $\vdash$     |          |             | 93       | -+           | $\dashv$   | +        | $\dashv$ | -        | $\dashv$ |          |          | _        |          | $\vdash$ |
| 1        | 44       |          |          | <del>                                     </del> | t         | 十      | $\dashv$ |              |                | $\vdash$   | Н            |          | -  -        | 94       | $\dashv$     | $\dashv$   | +        | $\dashv$ | +        | _        |          |          | -        |          | $\vdash$ |
|          | 45       |          |          | $\vdash$   | t         | +      | 7        | _            | -              |  | Н            | ŀ        | -+          | 95       | -+           |  | ┥        | -        | -        | $\dashv$ |          | -        | -        |          | $\vdash$ |
| $\neg$   | 46       |          |          | Т  | +         | +      | +        | _            |                |  |              |          |             | 96       | $\dashv$     | +  | $\dashv$ |          | ᅱ        | $\dashv$ | $\dashv$ | -        | _        |          | -        |
| 一十       | 47       |          |          | Т  | t         | 十      | 1        | $\dashv$     |                |  | Н            |          | _           | 97       | +            | $\dashv$   | $\dashv$ | -        | $\dashv$ | ┥        | $\dashv$ | $\dashv$ | _        |          | -        |
|          | 48       |          |          | -  | T         | $\top$ | 7        |              | _              | _  | $\vdash$     |          |             | 98       | $\dashv$     | $\dashv$   | +        | +        | $\dashv$ |          |          | $\dashv$ |          |          |          |
|          | 49       | $\dashv$ |          | _  | T         | T      | 7        | ╛            |                |  |              |          | 一十          | 99       | $\dashv$     | +  | +        | $\dashv$ | +        | $\dashv$ | $\dashv$ |          | _        |          | _        |
| _        | 50       |          |          |  | 1         | $\top$ | 7        |              |                |  | $\exists$    | <b> </b> |             | 100      | $\dashv$     | +  | +        | +        | -        |          | $\dashv$ | ┪        | $\dashv$ |          | _        |

|          | laim                            | Τ            | Date     |              |              |             |          |  |               |          |  |  |  |  |
|----------|---------------------------------|--------------|----------|--------------|--------------|-------------|----------|--|---------------|----------|--|--|--|--|
|          |                                 | П            | 1        | Τ            |              | T           | T        |  |               |          |  |  |  |  |
| Final    | Original                        |              |          |              |              |             |          |  |               |          |  |  |  |  |
| E        | ō                               |              |          |              |              |             |          |  |               |          |  |  |  |  |
|          | 101                             | ╁            | +        | ┿            | ╁            | +           | - -      | +  | +             | -        |  |  |  |  |
|          | 102                             | ╁            | ╁        | +            | ╁            | +           | +        | <del> </del>                                     | +             | ┼        |  |  |  |  |
|          | 102<br>103                      | $\vdash$     | t        | +            | +            | +           | +        | +  | +             | +        |  |  |  |  |
|          | 104                             |              | T        | 1            | $^{\dagger}$ | 1           | +        | $\top$   | ╁             |          |  |  |  |  |
|          | 105<br>106                      |              |          |              |              |             |          |  |               |          |  |  |  |  |
| <u> </u> | 106                             | <u> </u>     | $\perp$  | L            |              | L           | 1        |  |               |          |  |  |  |  |
| <u> </u> | 107                             | L            | ╀        | $\bot$       | +            | $\perp$     | _        | 4-   | _             |          |  |  |  |  |
|          | 108<br>109                      | ├-           | +        | ╀            | +            | +           | +        | +  | +             | $\vdash$ |  |  |  |  |
|          | 110                             | ┝            | ╁╴       | ╁            | +            | ╁           | ╁        | ┿  | +             | Н        |  |  |  |  |
|          | 111                             | ┢            | $\vdash$ | +-           |              | +           | +        | ╁  | ╁             | $\vdash$ |  |  |  |  |
|          | 112                             | ┢            | T        | +-           | +            | +           | +        | +  | +             | Н        |  |  |  |  |
|          | 113                             |              |          | 1            |              | T           | ╈        | +  |               | $\Box$   |  |  |  |  |
|          | 114<br>115                      |              |          | $oxed{\Box}$ |              | Τ           |          |  |               |          |  |  |  |  |
| <u> </u> | 115                             | L            |          | 1_           | 1            | ┸           | $\perp$  |  |               |          |  |  |  |  |
|          | 116<br>117                      | L            | ┺        | $\bot$       | ╄            | 4-          | 4        | $\bot$   | <del> </del>  | Щ        |  |  |  |  |
|          | 117                             | _            | ┢        | +-           | +            | -           | +-       | +  | ┼-            | Н        |  |  |  |  |
|          | 110                             | ┝            | H        | +            | +-           | +           | ╁        | -  | -             | $\vdash$ |  |  |  |  |
|          | 119<br>120                      | <del> </del> | H        | +            | +-           | +           | +-       | +  | ╁┈            | H        |  |  |  |  |
|          | 121                             | H            | $\vdash$ | t            | +            | +           | +        | ╅  | $\vdash$      | $\vdash$ |  |  |  |  |
|          | 122                             |              | 1        | 1            | T            | 1           | T        | T  | t             |          |  |  |  |  |
|          | 123                             |              |          |              |              |             | $\Gamma$ |  |               |          |  |  |  |  |
|          | 122<br>123<br>124<br>125<br>126 |              | L        | ┖            | ┖            | ļ. <u>.</u> |          |  |               |          |  |  |  |  |
|          | 125                             |              | -        | <u> </u>     | ↓_           | 1           | ļ        | ↓_   | <u></u>       | Щ        |  |  |  |  |
|          | 126                             |              |          | ╄            | ╄-           | +           | $\perp$  |  | $\vdash$      |          |  |  |  |  |
|          | 127                             |              | -        | +            | ╁            | ┼-          | ╁┈       | ├-   | ├             | -        |  |  |  |  |
|          | 1 129 1                         |              | $\vdash$ | 1-           | +-           | ╁           | +        | ╁  | -             | $\dashv$ |  |  |  |  |
|          | 130                             |              |          | <u> </u>     | <u> </u>     | t           | t        | $\dagger$  |               |          |  |  |  |  |
|          | 130<br>131<br>132               |              |          |              |              |             |          |  |               |          |  |  |  |  |
|          | 132                             |              |          |              |              |             |          |  |               |          |  |  |  |  |
|          | 133<br>134                      |              |          | <u> </u>     | _            | ╙           | <u> </u> | _  |               |          |  |  |  |  |
|          | 134                             |              |          | <u> </u>     | _            | ↓_          | -        |  | Ш             | _        |  |  |  |  |
|          | 135<br>136                      |              |          | -            | ┢            | -           | ┼        | ⊢  | -1            | -[       |  |  |  |  |
|          | 137                             |              |          | ╌            | $\vdash$     | $\vdash$    | ╁        | 1  |               | $\dashv$ |  |  |  |  |
| _        | 138                             | _            |          |              | $\vdash$     | $\vdash$    | t        | <del>                                     </del> |               |          |  |  |  |  |
|          | 139                             |              |          |              | İ            | 1           | Π        |  |               | ╗        |  |  |  |  |
|          | 140                             |              | ·        |              |              |             |          |  |               |          |  |  |  |  |
|          | 141                             |              |          | <u> </u>     |              | _           | L        |  |               | $\Box$   |  |  |  |  |
|          | 142                             |              |          | _            |              | _           | <u> </u> | <u> </u>   | Щ             | _        |  |  |  |  |
|          | 143                             | _            |          | _            | $\vdash$     | -           | <u> </u> |  | _             |          |  |  |  |  |
|          | 144                             | $\dashv$     | _        |              | -            | _           | $\vdash$ | $\vdash$   |               | $\dashv$ |  |  |  |  |
|          | 146                             | $\dashv$     |          |              |              | -           |          | $\vdash$   | -             | $\dashv$ |  |  |  |  |
|          | 147                             | $\dashv$     | _        |              | Г            | _           |          |  | -             | $\dashv$ |  |  |  |  |
|          | 148                             |              |          |              |              |             |          |  |               | $\neg$   |  |  |  |  |
|          | 149                             |              |          |              |              |             |          |  |               |          |  |  |  |  |
| i        | 150                             | [            |          |              |              |             |          |  | $-\mathbb{I}$ |          |  |  |  |  |